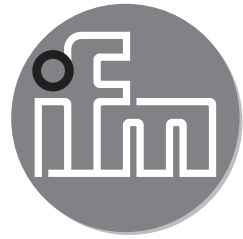


ifm electronic



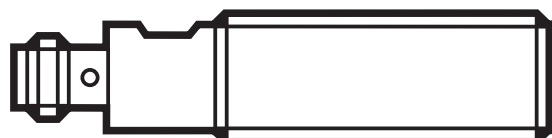
Operating instructions
Diffuse reflection sensor
with background suppression

efector200[®]

OGH2xx

UK

OGH200 / 00



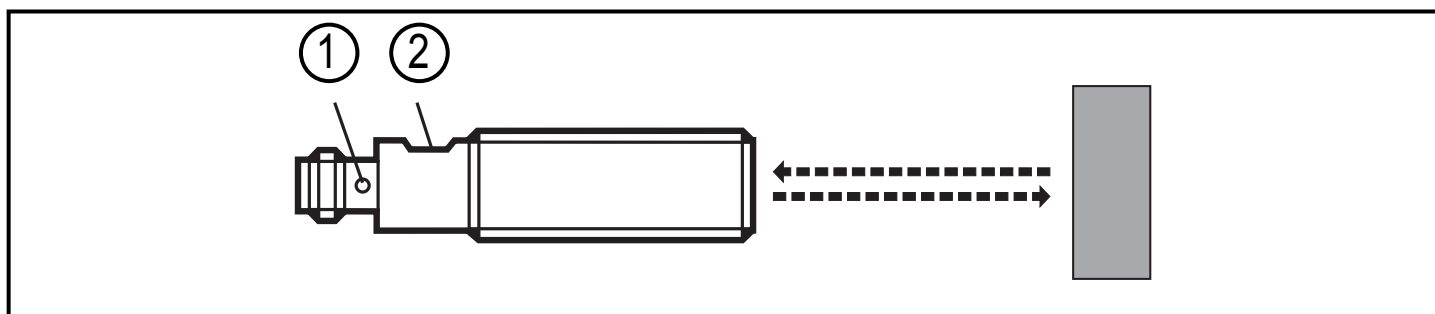
Functions and features

The diffuse-reflection sensor detects objects and materials without contact and indicates their presence by a switched signal.

Range: see type label.

Installation

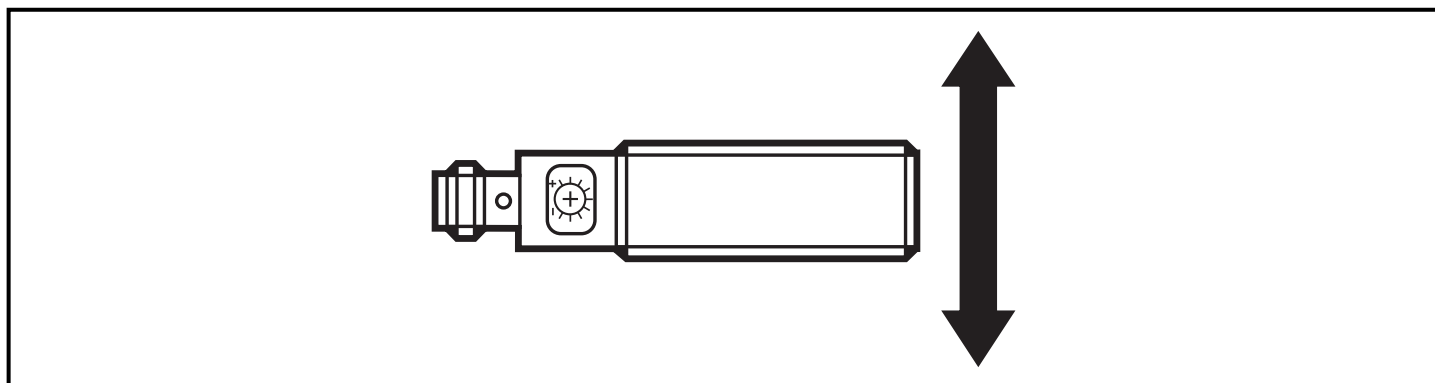
Align the photocell and fasten to a mounting device.



1: LED

2: Setting potentiometer

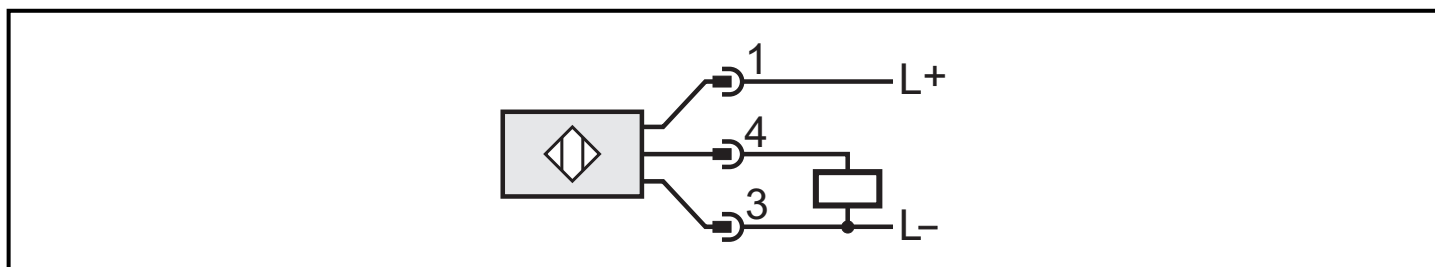
The objects to be detected are to move transversally to the lens of the unit. In case of other directions of movement it should be tested before whether safe functioning is guaranteed.



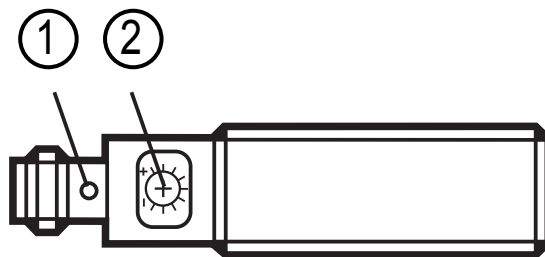
Electrical connection



Disconnect power before connecting the unit as follows:



Adjustment



1: LED

2: Setting potentiometer

- ▶ Set the potentiometer to the smallest sensing range.
- ▶ Place the object to be detected within the sensing range.
- ▶ Increase the sensing range until the LED lights (= minimum value; object detected).
- ▶ Remove the object from the sensing range (LED goes off).
- ▶ Increase the sensing range until the LED lights (= maximum value; background detected).
- ▶ Set the sensing range to the medium position between minimum and maximum value.

UK

Operation

Check the safe functioning of the sensor.

- The output is switched / the yellow LED is lit when the object is detected.

Maintenance

Keep the lens of the sensor free from soiling. For cleaning do not use any solvents or cleaning agents which could damage the plastic lenses.